

ABSTRACT

A small earphone or headphone which can produce a wide band acoustic output from a low-pitched tone to a high-pitched tone and can generate a body-sensitive vibration independent output or a body-sensitive vibration output synchronized with a music. The earphone or headphone is mounting a vibration actuator which is provided with a magnetic circuit including a permanent magnet, a yoke, and a plate for concentrating the flux of the permanent magnet, with a coil disposed in an air gap of the magnetic circuit, with a diaphragm fixed with the coil and being imparted with a driving force therefrom, and with a vibration transmitting section for supporting the magnetic circuit flexibly through a suspension comprising a flexible spring.